Features

- Two models available:
    - AMDC-1: Single-drive model
    - AMDC-2: Dual-drive model

- 3″ cartridge media for convenience and durability.

- Controls up to four (4) disk drives, each programmable for single or double-density operation. In double-density operation, the AMDC provides up to 360K bytes of on-line, formatted storage capacity (180K bytes/side x 2 drives).

- Double-sided cartridge allows user access to an additional 360K bytes by manually flipping it over. Total formatted storage is 720K bytes, 8 times the storage available on single-density 5¼″ diskettes.

- May be used in conjunction with any 5¼″ disk drive to boot Atari-compatible software.

- Fully-compatible with DOS/XL (formerly OS/A+ Version 4).

3″ Micro-Floppy Disk Drive for Atari® Computers

The new AMDC-1,(2) are high-performance, Atari-compatible disk drives. These drives feature the revolutionary 3″ protected media. An intelligent controller provides compatibility with Atari 400, 800 and XL Series computers.

The disk drive system is available in a single-drive, version, AMDC-1 or dual-drive version, AMDC-2. Each system comes complete including the drive(s) (with built-in power supply), DOS/XL operating system software, documentation and a 90 day warranty (parts and labor).

AMDEK

Specifications

ITEM	DESCRIPTION			
Formatted Disk Capacity	DOS 2 Mode **Density** Single Double	**1 Side (40 Track)** 92K bytes 184K bytes	**2 Side*** 368K bytes	**2 Side (80 Track)**** 736K bytes
	DOS 3 Mode **Density** Single Double	**1 Side (40 Track)** 92K bytes 127K bytes		

	ITEM	SINGLE DENSITY	DOUBLE DENSITY
Media	Recorded Surfaces*	2	2
	Cylinders	40	40
	Tracks	80	80
Recording	Encoding	FM	MFM
	Max. Record Density	4473 Bpi	8946 Bpi
	Track Density	100 Tpi	100 Tpi
	Transfer Rate	125K bytes/sec.	250K bytes/sec.

	ITEMS	UNIT	DESCRIPTION
Access Time	Average Access Time	msec	100 (approx)
	Track-To-Track	msec	3
	Settling Time	msec	15
	Avg. Latency Time	msec	100
	Head Load Time	—	—
	Motor Start Time	sec	0.7 (min)
	Disk Speed	rpm	300
	Power Requirements	—	105 - 125 VAC @ .7 Amp, 60 Hz
Environmental Limits	Operating Temperature	°C	10-40
	Operating Humidity	RH	20-80%
	Maximum Wet Bulb Temp.	°C	29
	Operating Vibration	1G(max)	(5-100 HZ, X, Y, and Z)
Reliability	Error Rates		
	Soft Error		$1 \times 10^{(-9)}$
	Hard Error		$1 \times 10^{(-12)}$
	Seek Error		$1 \times 10^{(-6)}$

*AMDC Disk Cartridges may be flipped over to provide twice the storage as a 40 track single-sided drive.
**Double-sided and 80 track drive may only be used with dos/xl.

External Disk Drive Interface

Connector: 34 pin, 5.25″ Shugart-Type	
PIN NO.	**SIGNAL**
2	Unused
4	In use (option)
6	Drive Select 3
8	Index
10	Drive Select 0
12	Drive Select 1
14	Drive Select 2
16	Motor-on
18	Direction
20	Step
22	Write Data
24	Write Gate
26	Track 00
28	Write Protect
30	Read Data
32	Unused
34	Ready
1-33 (Odd)	Ground

Available Through: